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NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/Caplus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INFADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INFADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 Caplus coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPACDOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/Caplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available
NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prokotic substances

10/519, 042

NEWS 31 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 32 JAN 28 MARPAT searching enhanced
NEWS 33 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication
NEWS 34 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 35 JAN 28 MEDLINE and LIMEDLINE reloaded with enhancements

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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=> fil reg
COST IN U.S. DOLLARS
SINCE FILE
ENTRY SESSION
_0..21 _0..21

FILE 'REGISTRY' ENTERED AT 15:21:57 ON 06 FEB 2008
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STRUCTURE FILE UPDATES: 5 FEB 2008 HIGHEST BN 1001672-38-3

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10/519,042

<http://www.cas.org/support/stndgen/stndoc/properties.html>

```
=> s [gas].p./sqsp
L1      4255380 [GAS].P./SQSP

<-----User Break----->

SEARCH ENDED BY USER
L1      HAS NO ANSWERS

=> s [gas][alvif]p[alvif]/sqsp
L2      1527744 [GAS][ALVIF]P[ALVIF]/SQSP

=> s l2 and sql=4
    76704 SQL=4
L3      412 L2 AND SQL=4
```

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=> fil hcip
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY        SESSION
FULL ESTIMATED COST          38.77          38.98
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FILE COVERS 1907 - 6 Feb 2008 VOL 148 ISS 6
FILE LAST UPDATED: 5 Feb 2008 (20080205/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> l3
L4      648 L3

=> l4 and (pd<20000101)
    20755774 PD<20000101
    (PD<20000101)
L5      436 L4 AND (PD<20000101)

=> d 15 l-5 ibib abs hitstr
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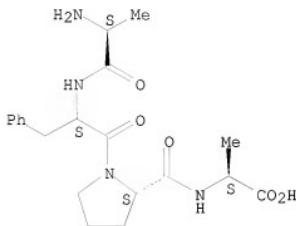
L5 ANSWER 1 OF 436 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:729641 HCAPLUS
 DOCUMENT NUMBER: 141:237099
 TITLE: Vertebrate growth hormones mutant as GH and growth hormone receptor antagonists for therapy
 INVENTOR(S): Kopchick, John J.; Chen, Wen Y.
 PATENT ASSIGNEE(S): Ohio University/Edison Biotechnology Institute, USA
 SOURCE: U.S., 33 pp., Cont.-in-part of U.S. Ser. No. 313,505.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6787336	B1	20040907	US 1995-488164	19950607
WO 9105853	A1	19910502	WO 1990-US5874	19901012 <--
W: AU, CA, JP, US RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5350836	A	19940927	US 1992-878703	19920504 <--
US 5681809	A	19971028	US 1994-313505	19940926 <--
WO 9640203	A1	19961219	WO 1996-US7889	19960529 <--
W: AU, CA, JP, KR, NO RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9658819	A	19961230	AU 1996-58819 US 1989-419561 WO 1990-US5874 US 1991-693305 US 1992-878703 US 1994-313505 US 1995-486793 US 1995-486794 US 1995-486795 US 1995-488163 US 1995-488164 WO 1996-US7889	19960529 <-- B2 19891012 B2 19901012 B2 19910501 A1 19920504 A2 19940926 A 19950607 A 19950607 A 19950607 A 19950607 W 19960529
PRIORITY APPLN. INFO.:				

- AB The present invention relates to DNA mols. which encode antagonists of vertebrate growth hormones obtained by mutation of at least the amino acid corresponding to Glu119 in bovine growth hormone. The DNA mols. may be used to express the antagonists, either in cell culture, or in the cells of the patient of interest. The antagonist so expressed may be used to inhibit GH activity in a subject. Gly119 mutant of bovine growth hormone is an amino acid other than glycine or alanine. Total serum cholesterol levels in bGH-M8 (E117L, G119R, A112D) transgenic mice are significantly decreased ($p<0.05$) as compared to their nontransgenic littermates and bGH transgenic mice. The hybridization expts. confirmed that there is a high level of GH expression in lymphoblastic leukemia tissue and placental tissue and also demonstrated more modest levels of expression in melanoma, colorectal carcinoma, Burkitt'slymphoma and lung carcinoma tissues.
- IT 61430-19-1
 RL: PRP (Properties)
 (unclaimed sequence; vertebrate growth hormones mutant as GH and growth hormone receptor antagonists for therapy)
- RN 61430-19-1 HCAPLUS

CN L-Alanine, N-[l-(N-L-alanyl-L-phenylalanyl)-L-prolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 436 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:448045 HCAPLUS
 DOCUMENT NUMBER: 139:30780
 TITLE: Methods and compositions for generating angiostatinin
 INVENTOR(S): Soff, Gerald; Gately, Stephen T.; Twardowski, Przemyslaw
 PATENT ASSIGNEE(S): Northwestern University, USA
 SOURCE: U.S., 46 pp., Cont.-in-part of U.S. Ser. No. 710,305.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6576609	B1	20030610	US 1997-991761	19971216
US 5801012	A	19980901	US 1996-710305	19960917 <-
WO 9815574	A1	19980416	WO 1997-US16539	19970917 <-
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JE, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
EP 1705184	A1	20060927	EP 2006-112574	19970917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 2006099671	A1	20060511	US 2005-318939	20051222
PRIORITY APPLN. INFO.:			US 1996-710305	A2 19960917
			WO 1997-US16539	A1 19970917

EP 1997-942549 A3 19970917
 US 1997-991761 A2 19971216
 US 2000-500397 A1 20000208

AB The invention provides a method of treating a neoplastic disease in a human by administering a therapeutically effective amount of plasminogen activator effective to increase the amount of angiostatin present in the human to treat the disease. The invention also provides a method of treating a neoplastic disease in a human by administering a therapeutically effective amount of plasminogen activator and sulphydryl donor effective to increase the amount of angiostatin present in the human to treat said disease.

IT 53620-20-5 92662-83-4

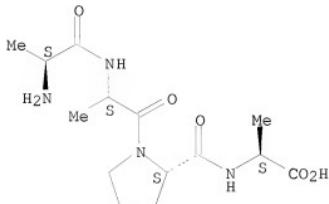
RL: PRP (Properties)

(unclaimed sequence; methods and compns. for generating angiostatin)

RN 53620-20-5 HCAPLUS

CN L-Alanine, L-alanyl-L-alanyl-L-prolyl- (CA INDEX NAME)

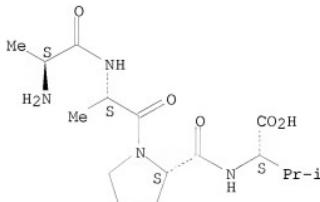
Absolute stereochemistry.



RN 92662-83-4 HCAPLUS

CN L-Valine, L-alanyl-L-alanyl-L-prolyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 436 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:163844 HCPLUS
 DOCUMENT NUMBER: 136:221696
 TITLE: Bone morphogenetic proteins and their use in bone growth
 INVENTOR(S): Nimni, Marcel E.; Hall, Frederick L.; Wu, Lingtau; Han, Bo; Shors, Edwin C.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S., 31 pp., Cont.-in-part of U. S. 5,800,811.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6352972	B1	20020305	US 1997-868452	19970603
US 5800811	A	19980901	US 1995-470837	19950606 <--
WO 9855137	A1	19981210	WO 1998-US11189	19980602 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, EE, EE, ES, FI, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9877148	A	19981221	AU 1998-77148	19980602 <--
EP 1047442	A1	20001102	EP 1998-925128	19980602
R: DE, FR, GB, IT				
PRIORITY APPLN. INFO.:			US 1995-470837 A2 19950606 US 1997-868452 A 19970603 WO 1998-US11189 W 19980602	

AB A bone morphogenetic fusion protein and a method of preparation of the bone morphogenetic fusion protein are disclosed. The bone morphogenetic fusion protein comprises a purification tag and a bone morphogenetic active fragment. A method of preparing bone morphogenetic fusion protein comprises purifying and renaturing bone morphogenetic protein to provide an active bone morphogenetic fusion protein preparation. Methods of use of the bone morphogenetic fusion protein are also provided.

IT 154485-12-8

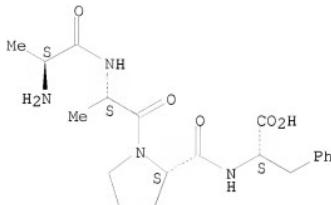
RL: PRP (Properties)

(unclaimed sequence; bone morphogenetic proteins and their use in bone growth)

RN 154485-12-8 HCPLUS

CN L-Phenylalanine, L-alanyl-L-alanyl-L-prolyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 436 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:2794 HCPLUS
 DOCUMENT NUMBER: 134:193725
 TITLE: Study on the cyclization tendency of backbone cyclic tetrapeptides
 AUTHOR(S): Besser, D.; Olander, R.; Rosenfeld, R.; Arad, O.; Reissmann, S.
 CORPORATE SOURCE: Institut fur Biochemie und Biophysik,
 Friedrich-Schiller-Universitat Jena, Jena, D-07743,
 Germany
 SOURCE: Journal of Peptide Research (2000), 56(6),
 337-345
 CODEN: JPFRFA; ISSN: 1397-002X
 PUBLISHER: Munksgaard International Publishers Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB The cyclization kinetics of five tetrapeptides I (Xaa = Yaa = Ala; Xaa = Ala, Yaa = Gly; Xaa = Yaa = Gly; Xaa = Ala, Yaa = Pro; Xaa = Yaa = Pro; Np = C6H4NO2-4) was investigated both exptl. and computationally. The aim was to both accurately measure the cyclization rates in solution and develop a method that efficiently ests. the relative cyclization tendencies computationally. Progression of the cyclization reaction was monitored directly, yielding the kinetics of changes in the amts. of the linear precursor and the products. These measurements were used to calculate the reaction rates; the results were consistent with a first-order reaction kinetics. In order to predict the cyclization rates computationally, the conformation space of the linear precursors was mapped and used to

construct an approx. partition function. We assumed that the cyclization tendency was correlated with the relative probability of being found in a cyclization-prone conformation of the backbone, this probability was estimated from the partition function. The results supported this assumption and demonstrated that, within reasonable accuracy, we are able to predict the relative cyclization tendencies of the peptides measured.

IT 327629-83-4P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (cyclization of synthetic tetrapeptides containing N-substituted alanines)

RN 327629-83-4 HCPLUS

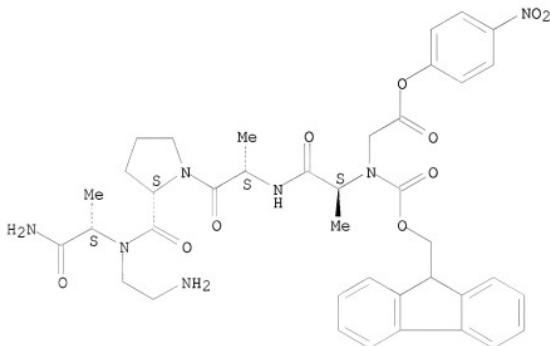
CN L-Alaninamide, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-N-[2-(4-nitrophenoxy)-2-oxoethyl]-L-alanyl-L-alanyl-L-prolyl-N2-(2-aminoethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 327629-82-3

CMF C39 H45 N7 O10

Absolute stereochemistry.



CM 2

CRN 76-05-1

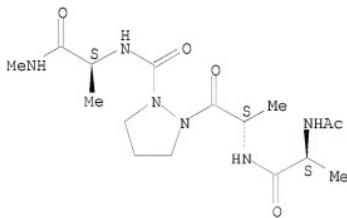
CMF C2 H F3 O2



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 436 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:894656 HCPLUS
 DOCUMENT NUMBER: 134:208104
 TITLE: Conformational analysis of azaproline and other turn inducers
 AUTHOR(S): Berglund, Anders; Marshall, Garland R.
 CORPORATE SOURCE: Department of Molecular Biology and Pharmacology and Center for Molecular Design, Washington University, St. Louis, MO, 63110, USA
 SOURCE: Peptides for the New Millennium, Proceedings of the American Peptide Symposium, 16th, Minneapolis, MN, United States, June 26-July 1, 1999 (2000), Meeting Date 1999, 309-310. Editor(s): Fields, Gregg B.; Tam, James P.; Barany, George. Kluwer Academic Publishers: Dordrecht, Neth.
 CODEN: 69ATHX
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 AB A symposium report. We have studied both Ala-Pro-AzPro-Ala (AzAla is azaproline, an analog of proline containing a nitrogen atom in place of the CuH group) and Ala-Ala-AzPro-Ala peptides with conformational searches and MC/MD simulations in water as implicitly represented by the GB/SA solvation model.
 IT 328558-06-1
 RL: PRP (Properties)
 (conformational anal. of azaproline-containing peptides)
 RN 328558-06-1 HCPLUS
 CN 1-Pyrazolidinecarboxamide, 2-[(2S)-2-[[[(2S)-2-(acetylamino)-1-oxopropyl]amino]-1-oxopropyl]-N-[(1S)-1-methyl-2-(methylamino)-2-oxoethyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d que stat
 L2 1527744 SEA FILE=REGISTRY ABB=ON PLU=ON [GAS][ALVIF]P[ALVIF]/SQSP

10/519,042

L3 412 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND SQL=4
L4 648 SEA FILE=HCAPLUS ABB=ON PLU=ON L3
L5 436 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 AND (PD<20000101)

=> d his full

(FILE 'HOME' ENTERED AT 15:21:30 ON 06 FEB 2008)

FILE 'REGISTRY' ENTERED AT 15:21:57 ON 06 FEB 2008
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L2 1527744 SEA ABB=ON PLU=ON [GAS][ALVIF]P[ALVIF]/SQSP
L3 412 SEA ABB=ON PLU=ON L2 AND SQL=4

FILE 'HCAPLUS' ENTERED AT 15:26:11 ON 06 FEB 2008
L4 648 SEA ABB=ON PLU=ON L3
L5 436 SEA ABB=ON PLU=ON L4 AND (PD<20000101)
D L5 1-5 IBIB ABS HITSTR
D QUE STAT

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 5 FEB 2008 HIGHEST RN 1001672-38-3

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE LAST UPDATED: 5 Feb 2008 (20080205/ED)

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